



SEQUENCE LISTING

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<110> Aventis Pharma, S.A.

<120> Polypeptide (MBP1) Capable Of Interacting With Oncogenic Mutants Of The P53 Protein

<130> ST98033

<140> 09/829,936

<141> 2001-04-11

<150> FR9812754

<151> 1998-10-12

<160> 33

<170> PatentIn version 3.1

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<211> 23

<212> DNA

<213> Artificial Sequence: Oligonucleotide

<400> 1

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23

<210> 2

<211> 29

<212> DNA

<213> Artificial Sequence: Oligonucleotide 3' -393 (p53)

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23

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<211> 1021

<212> DNA

<213> Artificial Sequence: Fragment C-term MBP1 murine: CDS
(1)..(885)

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aagggccatg tgggggcccc ttccccctcc catagcttaa gcagccccgg gggcctaggg 960
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<210> 9

<211> 295

<212> PRT

<213> Artificial Sequence: Fragment C-term MBP1 murine

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 Pro Gly Ser Phe Arg Cys Gln Cys Glu Pro Gly Phe Gln Leu Gly Pro
 35 40 45
 Asn Asn Arg Ser Cys Val Asp Val Asn Glu Cys Asp Met Gly Ala Pro
 50 55 60
 Cys Glu Gln Arg Cys Phe Asn Ser Tyr Gly Thr Phe Leu Cys Arg Cys
 65 70 75 80
 Asn Gln Gly Tyr Glu Leu His Arg Asp Gly Phe Ser Cys Ser Asp Ile
 85 90 95
 Asp Glu Cys Gly Tyr Ser Ser Tyr Leu Cys Gln Tyr Arg Cys Val Asn
 100 105 110
 Glu Pro Gly Arg Phe Ser Cys His Cys Pro Gln Gly Tyr Gln Leu Leu
 115 120 125
 Ala Thr Arg Leu Cys Gln Asp Ile Asp Glu Cys Glu Thr Gly Ala His
 130 135 140
 Gln Cys Ser Glu Ala Gln Thr Cys Val Asn Phe His Gly Gly Tyr Arg
 145 150 155 160
 Cys Val Asp Thr Asn Arg Cys Val Glu Pro Tyr Val Gln Val Ser Asp
 165 170 175
 Asn Arg Cys Leu Cys Pro Ala Ser Asn Pro Leu Cys Arg Glu Gln Pro
 180 185 190
 Ser Ser Ile Val His Arg Tyr Met Ser Ile Thr Ser Glu Arg Ser Val
 195 200 205
 Pro Ala Asp Val Phe Gln Ile Gln Ala Thr Ser Val Tyr Pro Gly Ala
 210 215 220
 Tyr Asn Ala Phe Gln Ile Arg Ser Gly Asn Thr Gln Gly Asp Phe Tyr
 225 230 235 240
 Ile Arg Gln Ile Asn Asn Val Ser Ala Met Leu Val Leu Ala Arg Pro
 245 250 255

Val Thr Gly Pro Arg Glu Tyr Val Leu Asp Leu Glu Met Val Thr Met
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Phe Val Gly Ala Tyr Thr Phe
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<210> 10

<211> 39

<212> DNA

<213> Artificial sequence: oligonucleotide c-myc 5'

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<210> 11

<211> 39

<212> DNA

<213> Artificial sequence: oligonucleotide c-myc 3'

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<211> 45

<212> DNA

<213> Artificial sequence: MCS 5'

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<210> 13

<211> 37

<212> DNA

<213> Artificial sequence: MCS 3'

<400> 13
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<210> 14

<211> 22

<212> DNA

<213> Artificial Sequence: Oligonucleotide 3' mMBP1

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<210> 15

<211> 1513

<212> DNA

<213> Artificial Sequence: MBP1 murine (complete sequence): CDS
(49)..(1377)

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gaaagaagga aaa 1513

<210> 16

<211> 442

<212> PRT

<213> Artificial sequence: MBP1 murine (complete sequence)

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Pro Asp Ser Tyr Thr Glu Cys Thr Asp Gly Tyr Glu Trp Asp Ala Asp
35 40 45

Ser Gln His Cys Arg Asp Tyr Asn Glu Cys Leu Thr Ile Pro Glu Ala
50 55 60

Cys Lys Gly Glu Met Lys Cys Ile Asn His Tyr Gly Gly Tyr Leu Cys
65 70 75 80

Leu Pro Arg Ser Ala Ala Val Ile Ser Asp Leu His Gly Glu Gly Pro
85 90 95

Pro Pro Pro Ala Ala His Ala Gln Gln Pro Asn Pro Cys Pro Gln Gly
100 105 110

Tyr Glu Pro Asp Glu Gln Glu Ser Cys Val Asp Val Asp Glu Cys Thr
115 120 125

Gln Ala Leu His Asp Cys Arg Pro Ser Gln Asp Cys His Asn Leu Pro
 130 135 140
 Gly Ser Tyr Gln Cys Thr Cys Pro Asp Gly Tyr Arg Lys Ile Gly Pro
 145 150 155 160
 Glu Cys Val Asp Ile Asp Glu Cys Arg Tyr Arg Tyr Cys Gln His Arg
 165 170 175
 Cys Val Asn Leu Pro Gly Ser Phe Arg Cys Gln Cys Glu Pro Gly Phe
 180 185 190
 Gln Leu Gly Pro Asn Asn Arg Ser Cys Val Asp Val Asn Glu Cys Asp
 195 200 205
 Met Gly Ala Pro Cys Glu Gln Arg Cys Phe Asn Ser Tyr Gly Thr Phe
 210 215 220
 Leu Cys Arg Cys Asn Gln Gly Tyr Glu Leu His Arg Asp Gly Phe Ser
 225 230 235 240
 Cys Ser Asp Asp Glu Cys Gly Tyr Ser Ser Tyr Leu Cys Gln Tyr Arg
 245 250 255
 Cys Val Asn Glu Pro Gly Arg Phe Ser Cys His Cys Pro Gln Gly Tyr
 260 265 270
 Gln Leu Leu Ala Thr Arg Leu Cys Gln Asp Ile Asp Glu Cys Glu Thr
 275 280 285
 Gly Ala His Gln Cys Ser Glu Ala Gln Thr Cys Val Asn Phe His Gly
 290 295 300
 Gly Tyr Arg Cys Val Asp Thr Asn Arg Cys Val Glu Pro Tyr Val Gln
 305 310 315 320
 Val Ser Asp Asn Arg Cys Leu Cys Pro Ala Ser Asn Pro Leu Cys Arg
 325 330 335
 Glu Gln Pro Ser Ser Ile Val His Arg Tyr Met Ser Ile Thr Ser Glu
 340 345 350
 Arg Ser Val Pro Ala Asp Val Phe Gln Ile Gln Ala Thr Ser Val Tyr
 355 360 365
 Pro Gly Ala Tyr Asn Ala Phe Gln Ile Arg Ser Gly Asn Thr Gln Gly
 370 375 380

Asp Phe Tyr Ile Arg Gln Ile Asn Asn Val Ser Ala Met Leu Val Leu
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Ala Arg Pro Val Thr Gly Pro Arg Glu Tyr Val Leu Asp Leu Glu Met
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Val Thr Met Asn Ser Leu Met Ser Tyr Arg Ala Ser Ser Val Leu Arg
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<210> 17

<211> 21

<212> DNA

<213> Artificial Sequence: Oligonucleotide 3' hMBP1

<400> 17

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21

<210> 18

<211> 21

<212> DNA

<213> Artificial Sequence: Oligonucleotide 5' hMBP1

<400> 18

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21

<210> 19

<211> 1122

<212> DNA

<213> Artificial Sequence: Human cDNA MBP1

<400> 19

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120

cttgggatca gcttctctc aggattctga agagcccgac agctacacgg aatgcacaga

180

tggctatgag tgggaccag acagccagca ctgccgggat gtcaacgagt gtctgaccat

240

ccctgaggcc tgcaaggggg aaatgaagtg catcaaccac tacgggggct acttgtgcct

300

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ggctcttgag aaccgctgtc tctgcccggc ctccaaccct ctatgtcgag agcagccttc	1080
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<210> 20

<211> 684

<212> DNA

<213> Artificial Sequence: Human cDNA MBP1 (partial sequence)

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<211> 1422

<212> DNA

<213> Artificial Sequence: Human MBP1 (complete sequence): CDS
(59)..(1387)

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<210> 22

<211> 443

<212> PRT

<213> Artificial Sequence: Human MBP1 (complete sequence)

<400> 22

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20 25 30

Pro Asp Ser Tyr Thr Glu Cys Thr Asp Gly Tyr Glu Trp Asp Pro Asp
35 40 45

Ser Gln His Cys Arg Asp Val Asn Glu Cys Leu Thr Ile Pro Glu Ala
50 55 60

Cys Lys Gly Glu Met Lys Cys Ile Asn His Tyr Gly Gly Tyr Leu Cys
65 70 75 80

Leu Pro Arg Ser Ala Ala Val Ile Asn Asp Leu His Gly Glu Gly Pro
85 90 95

Pro Pro Pro Val Pro Pro Ala Gln His Pro Asn Pro Cys Pro Pro Gly
100 105 110

Tyr Glu Pro Asp Asp Gln Asp Ser Cys Val Asp Val Asp Glu Cys Ala
115 120 125

Gln Ala Leu His Asp Cys Arg Pro Ser Gln Asp Cys His Asn Leu Pro
130 135 140

Gly Ser Tyr Gln Cys Thr Cys Pro Asp Gly Tyr Arg Lys Ile Gly Pro
145 150 155 160

Glu Cys Val Asp Ile Asp Glu Cys Arg Tyr Arg Tyr Cys Gln His Arg
165 170 175

Cys Val Asn Leu Pro Gly Ser Phe Arg Cys Gln Cys Glu Pro Gly Phe
180 185 190

Gln Leu Gly Pro Asn Asn Arg Ser Cys Val Asp Val Asn Glu Cys Asp
195 200 205

Met Gly Ala Pro Cys Glu Gln Arg Cys Phe Asn Ser Tyr Gly Thr Phe
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210

215

220

Leu Cys Arg Cys His Gln Gly Tyr Glu Leu His Arg Asp Gly Phe Ser
 225 230 235 240

Cys Ser Asp Ile Asp Glu Cys Ser Tyr Ser Ser Tyr Leu Cys Gln Tyr
 245 250 255

Arg Cys Val Asn Glu Pro Gly Arg Phe Ser Cys His Cys Pro Gln Gly
 260 265 270

Tyr Gln Leu Leu Ala Thr Arg Leu Cys Gln Asp Ile Asp Glu Cys Glu
 275 280 285

Ser Gly Ala His Gln Cys Ser Glu Ala Gln Thr Cys Val Asn Phe His
 290 295 300

Gly Gly Tyr Arg Cys Val Asp Thr Asn Arg Cys Val Glu Pro Tyr Ile
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Gln Val Ser Glu Asn Arg Cys Leu Cys Pro Ala Ser Asn Pro Leu Cys
 325 330 335

Arg Glu Gln Pro Ser Ser Ile Val His Arg Tyr Met Thr Ile Thr Ser
 340 345 350

Glu Arg Ser Val Pro Ala Asp Val Phe Gln Ile Gln Ala Thr Ser Val
 355 360 365

Tyr Pro Gly Ala Tyr Asn Ala Phe Gln Ile Arg Ala Gly Asn Ser Gln
 370 375 380

Gly Asp Phe Tyr Ile Arg Gln Ile Asn Asn Val Phe Ala Met Leu Val
 385 390 395 400

Leu Ala Arg Pro Val Thr Gly Pro Arg Glu Tyr Val Leu Asp Leu Glu
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Arg Leu Thr Val Phe Val Gly Ala Tyr Thr Phe
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<210> 23

<211> 817

<212> DNA

<213> Artificial Sequence: cDNA MBP1 murine (partial sequence)

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<212> DNA

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<210> 25

<211> 24

<212> DNA

<213> Artificial Sequence: Oligonucleotide antisens-GAPDH

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<210> 26

<211> 25
 <212> DNA
 <213> Artificial Sequence: oligonucleotide

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 <213> Artificial Sequence: oligonucleotide sens MBP1

<400> 27
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<210> 28
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 <213> Artificial Sequence: oligonucleotide antisens MBP1

<400> 28
 agcccccatg gaagttgaca c 21

<210> 29
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 <213> Artificial Sequence: oligonucleotide sens actine

<400> 29
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<210> 30
 <211> 1358
 <212> DNA
 <213> Artificial Sequence: Human fragment C-term MBP1: CDS
 (1)..(885)

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gagccgggct tccagctggg gcctaacaac cgctcctgtg ttgatgtgaa cgagtgtgac 180
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tctggtgcgc accagtgtc cgaggcccaa acctgtgtca acttccatgg gggctaccgc 480
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<212> PRT

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Asn Asn Arg Ser Cys Val Asp Val Asn Glu Cys Asp Met Gly Ala Pro
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Cys Glu Gln Arg Cys Phe Asn Ser Tyr Gly Thr Phe Leu Cys Arg Cys
65 70 75 80

His Gln Gly Tyr Glu Leu His Arg Asp Gly Phe Ser Cys Ser Asp Ile
85 90 95

Asp Glu Cys Ser Tyr Ser Ser Tyr Leu Cys Gln Tyr Arg Cys Val Asn
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Glu Pro Gly Arg Phe Ser Cys His Cys Pro Gln Gly Tyr Gln Leu Leu
115 120 125

Ala Thr Arg Leu Cys Gln Asp Ile Asp Glu Cys Glu Ser Gly Ala His
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Gln Cys Ser Glu Ala Gln Thr Cys Val Asn Phe His Gly Gly Tyr Arg
145 150 155 160

Cys Val Asp Thr Asn Arg Cys Val Glu Pro Tyr Ile Gln Val Ser Glu
165 170 175

Asn Arg Cys Leu Cys Pro Ala Ser Asn Pro Leu Cys Arg Glu Gln Pro
180 185 190

Ser Ser Ile Val His Arg Tyr Met Thr Ile Thr Ser Glu Arg Ser Val
195 200 205

Pro Ala Asp Val Phe Gln Ile Gln Ala Thr Ser Val Tyr Pro Gly Ala
210 215 220

Tyr Asn Ala Phe Gln Ile Arg Ala Gly Asn Ser Gln Gly Asp Phe Tyr
225 230 235 240

Ile Arg Gln Ile Asn Asn Val Ser Ala Met Leu Val Leu Ala Arg Pro
245 250 255

Val Thr Gly Pro Arg Glu Tyr Val Leu Asp Leu Glu Met Val Thr Met
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<210> 33

<211> 333

<212> PRT

<213> Artificial Sequence: Fragment c-term fibuline 2 murine

<400> 33

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Arg Cys Gly Glu Gly Gln Leu Cys Tyr Asn Leu Pro Gly Ser Tyr Arg
20 25 30

Cys Asp Cys Lys Pro Gly Phe Gln Arg Asp Ala Phe Gly Arg Thr Cys
35 40 45

Ile Asp Val Asn Glu Cys Trp Val Ser Pro Gly Arg Leu Cys Gln His
50 55 60

Thr Cys Glu Asn Thr Pro Gly Ser Tyr Arg Cys Ser Cys Ala Ala Gly
65 70 75 80

Phe Leu Leu Ala Ala Asp Gly Lys His Cys Glu Asp Val Asn Glu Cys
85 90 95

Glu Thr Arg Arg Cys Ser Gln Glu Cys Ala Asn Ile Tyr Gly Ser Tyr
100 105 110

Gln Cys Tyr Cys Arg Gln Gly Tyr Gln Leu Ala Glu Asp Gly His Thr
115 120 125

Cys Thr Asp Ile Asp Glu Cys Ala Gln Gly Ala Gly Ile Leu Cys Thr
130 135 140

Phe Arg Cys Val Asn Val Pro Gly Ser Tyr Gln Cys Ala Cys Pro Glu
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145		150		155		160
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Glu Cys Ala	Leu 180	Gly Thr His Asn	Cys 185	Ser Glu Ala Glu	Thr 190	Cys His
Asn Ile	Gln 195	Gly Ser Phe Arg	Cys 200	Leu Arg Phe Asp	Cys 205	Pro Pro Asn
Tyr Val	Arg 210	Val Ser Gln Thr	Lys 215	Cys Glu Arg Thr	Thr 220	Cys Gln Asp
Ile Thr	Glu 225	Cys Gln Thr Ser	Pro 230	Ala Arg Ile Thr	His 235	Tyr Gln Leu
Asn Phe	Gln 245	Thr Gly Leu Leu Val	Pro 250	Ala His Ile Phe	Arg 255	Ile Gly
Pro Ala	Pro 260	Ala Phe Ala Gly	Asp 265	Thr Ile Ser Leu	Thr 270	Ile Thr Lys
Gly Asn	Glu 275	Glu Gly Tyr Phe	Val 280	Thr Arg Arg Leu	Asn 285	Ala Tyr Thr
Gly Val	Val 290	Ser Leu Gln Arg	Ser 295	Val Leu Glu Pro	Arg 300	Asp Phe Ala
Leu Asp	Val 305	Glu Met Lys	Leu 310	Trp Arg Gln Gly	Ser 315	Val Thr Thr Phe
Leu Ala	Lys 325	Met Tyr Ile Phe	Phe Thr Thr	Phe 330	Ala Pro	